TOTAL KJELDAHL NITROGEN-N (COPPER CATALYST) IN DRINKING AND SURFACE WATERS, AND DOMESTIC AND INDUSTRIAL WASTES
SEAL AQ2 METHOD NO: EPA-136-A REVISION 1

Facility Name:_____VELAP ID_____

Assessor Name:_____ Analyst Name:_____ Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
1. Is the linear calibration range determined initially, and does it contain a minimum of a blank and three standards?	*Method Supplement 1, Rev. 2 (MS)* 3.2.1				
2. Is linearity reestablished if any verification data exceeds initial calibration values by ±10%?	*MS* 3.2.1				
3. Is a laboratory control sample analyzed with every batch, and is recovery assessed against current laboratory criteria? *NOTE: The laboratory "should" establish upper and lower control limits from control charts based on % recovery.*	*MS* 3.4.3, 3.4.3.4, 3.4.3.5				
4. Is at least one method blank carried through all the procedural steps with each batch?	*MS* 3.4.1.1				
5. Is the calibration verified using a calibration standard after every ten samples or every analytical batch?	*MS* 4.5				
6. Is a minimum of 10% of all samples spiked with the stock standard?	*MS* 3.3.1				
7. For compliance monitoring, is the concentration of the matrix spike at the regulatory limit OR 1 to 5 times higher than the background concentration of the sample?	MS 3.3.1.1.1				
8. Was volumetric glassware Class A?	6.2				
Notes/Comments:					

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9. Was Stock Sodium Nitroprusside solution replaced after 6 months or if a blue-green tint was seen?	7.1				
10. Was Stock Sodium Potassium Tartrate solution boiled with stirring for 1 hour after preparation to drive off ammonia?	7.1				
11. Was Stock Sodium Potassium Tartrate solution adjusted to a pH of 7.5 ± 0.4 and stored in refrigerator for up to 6 months?	7.1				
12. Was Alkaline Sodium Salicylate Stock solution stored in an opaque bottle and discarded if it darkened significantly?	7.1				
13. Was Working Salicylate/Nitroprusside solution reagent wedge replaced monthly?	7.1				
14. Was Stock Standard solution stored at 4°C?	7.2				
15. Were samples preserved with sulfuric acid to a pH < 2 and cooled to ≤6°C at the time of collection?	40CFR136.3 Table 1I				
16. Were samples analyzed within 28 days?	40CFR136.3 Table 1I				
17. Were samples heated for about one hour at >160°C and then digested at between 375°C and 385°C (no specific time given)?	11.3				
18. Were digestates brought to volume with ammonia-free water and mixed on a vortex?	11.4				
19. Was any sample that exceeded the calibration range diluted with a digested blank or synthetic blank and not DI water?	12.2				
Notes/Comments:					